

Message

From: Wilson, Vickie [Wilson.Vickie@epa.gov]
Sent: 4/1/2020 9:15:14 PM
To: Rogers, John M. [Rogers.John@epa.gov]; Buckley, Timothy [Buckley.Timothy@epa.gov]
CC: Diaz-Sanchez, David [Diaz-Sanchez.David@epa.gov]; Gray, Earl [Gray.Earl@epa.gov]
Subject: RE: GAO Entrance Conference on "The Use and Known Effects of Dispersants in Oil Spills"
Attachments: NHEERL TAD in vitro dispersant testing brief.docx; NHEERL ORD USEPA report results 6 21 2010.pdf; EPADispersantInVitroReport30june2010FINALx.pdf

Tim, David and John

Listed below in my email are my short answer's to Tim's questions.

This work was done at the agency's request as part of the emergency response to the Deepwater Horizon oil spill to evaluate several dispersants being considered for use at the spill in our in vitro assays. I have attached a one page brief of the work.

For reference and background, also attached are both the NHEERL Report and the final report which combines both the NHEERL and NCCT results.

Short answers to Tim's questions below:

For Question 4 a).

If any dispersants displayed estrogen receptor or androgen receptor-mediated activity, this would have been of concern for potential adverse human health effects and for effects in other vertebrates. However, the tested dispersants were negative for these endocrine activities. Some dispersants, however, were far more cytotoxic than others.

For Question 12)

Our data was combined with NCCT data and provided in a report to the Agency (copies of both the NHEERL and combined reports are attached). It is unknown how or if the Agency used these data.

Vickie S. Wilson
Chief, Reproductive and Developmental Toxicology Branch
US EPA, ORD, CPHEA
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From: Rogers, John M. <Rogers.John@epa.gov>
Sent: Wednesday, April 01, 2020 12:11 PM
To: Wilson, Vickie <Wilson.Vickie@epa.gov>
Cc: Diaz-Sanchez, David <Diaz-Sanchez.David@epa.gov>
Subject: Fwd: GAO Entrance Conference on "The Use and Known Effects of Dispersants in Oil Spills"

Vickie,
I don't know if what TAD did years ago is of interest for this, but please provide brief answers to Tim's questions re the in vitro assays you did. Please copy David and me.
Thanks,
John

Sent from my iPhone

Begin forwarded message:

From: "Buckley, Timothy" <Buckley.Timothy@epa.gov>

Date: April 1, 2020 at 11:28:55 AM EDT

To: "Thornhill, Alan" <thornhill.alan@epa.gov>, "Beedlow, Peter" <Beedlow.Peter@epa.gov>, "Baxter, Lisa" <Baxter.Lisa@epa.gov>, "Wade, Tim" <Wade.Tim@epa.gov>, "Diaz-Sanchez, David" <Diaz-Sanchez.David@epa.gov>, "Rogers, John M." <Rogers.John@epa.gov>, "Thayer, Kris" <thayer.kris@epa.gov>, "Avery, James" <Avery.James@epa.gov>, "Vandenberg, John" <Vandenberg.John@epa.gov>, "Dutton, Steven" <Dutton.Steven@epa.gov>

Cc: "Jones, Samantha" <Jones.Samantha@epa.gov>, "Richards, Frances" <Richards.Frances@epa.gov>, "Saterson, Kathryn" <Saterson.Kathryn@epa.gov>, "Cascio, Wayne" <Cascio.Wayne@epa.gov>, "Holt, Kay" <Holt.Kay@epa.gov>, "Russo, Bill" <Russo.Bill@epa.gov>

Subject: GAO Entrance Conference on "The Use and Known Effects of Dispersants in Oil Spills"

DDs,

An initial discussion/meeting is scheduled for tomorrow 1 PM with GAO on the topic of "The Use and Known Effects of Dispersants in Oil Spills". For this meeting, I need to know if CPHEA has work that is relevant to the following questions.

4. To what extent has EPA research into dispersants resulted in clear findings on potential human health effects? **CCTE/CPHEA**

a. To your knowledge have there been clear findings related to human health effects from dispersants? If so, please describe them. **CCTE/CPHEA**

12. Please describe how EPA incorporates the latest scientific findings on the use of dispersants and their impact or potential impact on human health and the environment. Robyn, Mace, **CCTE/CPHEA**

By 9 AM tomorrow (Thur) , please let me know if you have anyone in your division doing relevant research and a brief description of the nature of the research.

Thanks for your help and sorry for the quick turn-around.

Tim

Timothy J. Buckley, Ph.D.
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CPHEA's Vision is to be world leaders delivering innovative and integrative research providing the foundation for evidence-based decisions and actions to protect our environment, public health and well-being.